

Various Shot Baseline data										Expected		Actual		Full Choke		Shot	
Lead String#	Gauge	Hull	Primer	Breach			Shot size	weight	Shot #	Velocity FPS	Velocity FPS	% 30" Circle	35 Yards	Count in circle			
				Powder	LUP's	Quantity											
25 total	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1313			308			
1 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1317	70.2%		319			
2 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1313	72.7%		309			
3 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1305	70.4%		312			
4 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1265	71.1%		322			
5 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1302.6	73.3%		314			
Bismuth								Average									
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1293	71%		91			
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1316	74%		95			
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1442	70%		89			
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1520	69%		88			
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1442	70%		90			
Hevi-Shot								Average									
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1287	70.4%		119			
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1265	69.8%		118			
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1289	71.6%		121			
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1252	71.0%		120			
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1263	72.2%		122			
Lead #2								Average									
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1271.2	71.0%		120			
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1321	72%		122			
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1326	70%		118			
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1306	73%		124			
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1310	70%		119			
Enviro-Shot								.75 OZ	169	1200	1284	71%		120			
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1309.4			120.6			
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1299	73.0%		124			
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1311	75.0%		127			
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1306	72.0%		122			
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1324	72.0%		121			
								.75 OZ	169	1200	1318	74.0%		125			
								Average		1200	1311.6	73.2%		123.8			

Figure 1

Figure 1